

SEQUENCE LISTING

<110> Brenda F. Baker
Susan M. Freier
Andrew T. Watt

<120> ANTISENSE MODULATION OF UROKINASE PLASMINOGEN ACTIVATOR EXPRESSION

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112

Met Arg Ala Leu Leu Ala Arg Leu Leu Leu Cys Val

1

5

10

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160

Leu Val Val Ser Asp Ser Lys Gly Ser Asn Glu Leu His Gln Val Pro

15

20

25

tcg aac tgt gac tgt cta aat gga gga aca tgt gtg tcc aac aag tac

208

Ser Asn Cys Asp Cys Leu Asn Gly Gly Thr Cys Val Ser Asn Lys Tyr

30

35

40

tcc tcc aac att cac tgg tgc aac tgc cca aag aaa ttc gga ggg cag

256

Phe Ser Asn Ile His Trp Cys Asn Cys Pro Lys Lys Phe Gly Gly Gln

45

50

55

60

cac tgt gaa ata gat aag tca aaa acc tgc tat gag ggg aat ggt cac 304
His Cys Glu Ile Asp Lys Ser Lys Thr Cys Tyr Glu Gly Asn Gly His
65 70 75

ttt tac cga gga aag gcc agc act gac acc atg ggc cgg ccc tgc ctg 352
Phe Tyr Arg Gly Lys Ala Ser Thr Asp Thr Met Gly Arg Pro Cys Leu
80 85 90

ccc tgg aac tct gcc act gtc ctt cag caa acg tac cat gcc cac aga 400
Pro Trp Asn Ser Ala Thr Val Leu Gln Gln Thr Tyr His Ala His Arg
95 100 105

tct gat gct ctt cag ctg ggc ctg ggg aaa cat aat tac tgc agg aac 448
Ser Asp Ala Leu Gln Leu Gly Leu Gly Lys His Asn Tyr Cys Arg Asn
110 115 120

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Pro Asp Asn Arg Arg Pro Trp Cys Tyr Val Gln Val Gly Leu Lys
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Pro Leu Val Gln Glu Cys Met Val His Asp Cys Ala Asp Gly Lys Lys
145 150 155

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Pro Ser Ser Pro Pro Glu Glu Leu Lys Phe Gln Cys Gly Gln Lys Thr
160 165 170

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175 180 185

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Asn Gln Pro Trp Phe Ala Ala Ile Tyr Arg Arg His Arg Gly Gly Ser
190 195 200

gtc acc tac gtg tgt gga ggc agc ctc atc agc cct tgc tgg gtg atc 736
Val Thr Tyr Val Cys Gly Gly Ser Leu Ile Ser Pro Cys Trp Val Ile
205 210 215 220

agc gcc aca cac tgc ttc att gat tac cca aag aag gag gac tac atc 784
Ser Ala Thr His Cys Phe Ile Asp Tyr Pro Lys Lys Glu Asp Tyr Ile
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Val Tyr Leu Gly Arg Ser Arg Leu Asn Ser Asn Thr Gln Gly Glu Met
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Lys Phe Glu Val Glu Asn Leu Ile Leu His Lys Asp Tyr Ser Ala Asp
255 260 265

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Thr Leu Ala His His Asn Asp Ile Ala Leu Leu Lys Ile Arg Ser Lys
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Glu Gly Arg Cys Ala Gln Pro Ser Arg Thr Ile Gln Thr Ile Cys Leu
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Pro Ser Met Tyr Asn Asp Pro Gln Phe Gly Thr Ser Cys Glu Ile Thr
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Gly Phe Gly Lys Glu Asn Ser Thr Asp Tyr Leu Tyr Pro Glu Gln Leu
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 His Tyr Tyr Gly Ser Glu Val Thr Thr Lys Met Leu Cys Ala Ala Asp
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<213> Artificial Sequence

<220>

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<400> 5

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<212> DNA

<213> Artificial Sequence

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Met Lys Val Trp Leu Ala Ser Leu Phe Leu Cys Ala Leu Val Val Lys
1 5 10 15

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Asn Ser Glu Gly Gly Ser Val Leu Gly Ala Pro Asp Glu Ser Asn Cys
20 25 30

ggc tgt cag aac gga ggt gta tgc gtg tcc tac aag tac ttc tcc aga 202
Gly Cys Gln Asn Gly Gly Val Cys Val Ser Tyr Lys Tyr Phe Ser Arg
35 40 45

att cgc cga tgc agc tgc cca agg aaa ttc cag ggg gag cac tgt gag 250
Ile Arg Arg Cys Ser Cys Pro Arg Lys Phe Gln Gly Glu His Cys Glu
50 55 60

ata gat gca tca aaa acc tgc tat cat gga aat ggt gac tct tac cga 298
Ile Asp Ala Ser Lys Thr Cys Tyr His Gly Asn Gly Asp Ser Tyr Arg
65 70 75 80

gga aag gcc aac act gat acc aaa ggt cgg ccc tgc ctg gcc tgg aat 346
Gly Lys Ala Asn Thr Asp Thr Lys Gly Arg Pro Cys Leu Ala Trp Asn
85 90 95

gcg cct gct gtc ctt cag aaa ccc tac aat gcc cac aga cct gat gct 394
Ala Pro Ala Val Leu Gln Lys Pro Tyr Asn Ala His Arg Pro Asp Ala
100 105 110

att agc cta ggc ctg ggg aaa cac aat tac tgc agg aac cct gac aac 442
Ile Ser Leu Gly Leu Gly Lys His Asn Tyr Cys Arg Asn Pro Asp Asn

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Gln Glu Cys Met Val His Asp Cys Ser Leu Ser Lys Lys Pro Ser Ser			
145	150	155	160
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Ser Val Asp Gln Gln Gly Phe Gln Cys Gly Gln Lys Ala Leu Arg Pro			
165	170	175	
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Arg Phe Lys Ile Val Gly Gly Glu Phe Thr Glu Val Glu Asn Gln Pro			
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Trp Phe Ala Ala Ile Tyr Gln Lys Asn Lys Gly Gly Ser Pro Pro Ser			
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Phe Lys Cys Gly Gly Ser Leu Ile Ser Pro Cys Trp Val Ala Ser Ala			
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Ala His Cys Phe Ile Gln Leu Pro Lys Lys Glu Asn Tyr Val Val Tyr			
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Leu Gly Gln Ser Lys Glu Ser Ser Tyr Asn Pro Gly Glu Met Lys Phe			
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gag gtg gag cag ctc atc ttg cac gaa tac tac agg gaa gac agc ctg			874
Glu Val Glu Gln Leu Ile Leu His Glu Tyr Tyr Arg Glu Asp Ser Leu			

260	265	270	
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Ala Tyr His Asn Asp Ile Ala Leu Leu Lys Ile Arg Thr Ser Thr Gly			
275	280	285	
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290	295	300	
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Gly Lys Glu Ser Glu Ser Asp Tyr Leu Tyr Pro Lys Asn Leu Lys Met			
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Tyr Gly Ser Glu Ile Asn Tyr Lys Met Leu Cys Ala Ala Asp Pro Glu			
355	360	365	
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Trp Lys Thr Asp Ser Cys Lys Gly Asp Ser Gly Gly Pro Leu Ile Cys			
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aac atc gaa ggc cgc cca act ctg agt ggg att gtg agc tgg ggc cga			1258
Asn Ile Glu Gly Arg Pro Thr Leu Ser Gly Ile Val Ser Trp Gly Arg			
385	390	395	400
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Gly Cys Ala Glu Lys Asn Lys Pro Gly Val Tyr Thr Arg Val Ser His			

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<212> DNA

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<400> 12

gccagccaga ctttcatggta 21

<210> 13

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<213> Artificial Sequence

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22

tgctgtctag agcccagcg

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27

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<212> DNA

<213> Homo sapiens

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